

11.  
Tonga Tabu

Tonga Islands. —

Anona (squamosa) — introd — tree 20 ft, fol broad lance  
6-9 in. fr smaller than chirimoya & am more distinct.

Cocculus? (bis) apper same samoa no flos: rare on isl —

Cardamine? sarmentosa — (bis) introd, about houses rare —

Sinapis nigra — introd from Europe, weed about houses —

Brassica oleracea — cabbage, cult, from Europe —

— turnip introd from Europe, weed about houses —

Pittospori? — tree 25 ft, orange & valved berry, many  
imbedded seeds, scattered entire leaves, tube corol of 5  
united petals cal 5-fid. —

Gossypium — (bis) introd by natives, about houses —

Arena lobata — (bis) introd by natives, weed in cult ground

Thespesia populnea — (bis) common along coast, trees 10-15 ft diam

Paritium) tiliacea (bis) — common —

Peautia? (bis) — introd by natives, cult ground

Sida — (bis) introd by natives, cult ground 1-1 1/2 feet  
not very common —

Stercul? — but fr nichise fol lance silvery beneath  
pinnate, seed, cotyl small buried in pithy —  
lagoon. —

(Verticillata) fol ovate or 3 lobed? first pair nerves marginal at base, no flos or p: tree 20 ft planted in village - (Feejee?)

*Grewia mallocoea*. Forst - cf *G. tiliifolia*. Fr. small tree 20 ft. common -

*Citrus decumana* - Shaddock, introd. by natives, tree 30 ft by 1 ft or more, common, spines -

lime introd. by Europeans common -

*Sonneratia minima* - F. (same at Samoa) shrub 6-10 ft common (micromelum Plume -

*Calophyllum inophyllum* - (bis) young trees only -

Gutt. (*Calophyllum* - perhaps some Samoa leaves only, rare

*Aegiphiloid* - (bis) cf Samoa, berry superior: 4 cells, several seeds size small pea rare -

*Cordia habit* - but 5 petals, cal 5 pda, fol above entire scattered, berry pyriform superior cyme 10-15 ft. common -

*Candospermum* - (bis) introd. by natives cult ground -

*Lapind?* (*Xylocarpus*\*) - tree 20 ft fol pair pinn 3 jugis smooth above, retic below no flos. -

*Xylocarpus* - 2<sup>d</sup> sp. 20 ft. cal 4 pda. pet 4. inter tube & dent. 8 and monog. p size orange & large seeds fol orig. pinn. petiol persist.

*Mallea Porii* - tree 20-30 ft by 1 ft. planted in village -

*Meliae* (*euphorbia* -) tree 30-40 ft. fol unipinn pinn. about 9 jugis, fol serrul pinn. no flos: planted about

*Trichilia*, about houses rare. (simple leaved)

*Oxalis* - (bis) introd. if comulata, weed about houses.

*Leanthus asiaticus* common (*colubrina* sp.) -

2<sup>d</sup>? small tree, leaves lance, white below. (congen. Samoa) *Rhume*

2<sup>d</sup> *Terebinth?* (app. 2<sup>d</sup> sp of No 50. Samoa) not rusty, fol unipinn pinn, fol pet. planted about houses -

*Spondias dulcis* - introd. a few trees planted in village

*Terebinth?* - (same Samoa No 50) young only -

*Rhus* - (app. same Samoa) tree 20 ft & upwards common -

*Tephrosia piscatoria* - prob introd. by natives, weed -

*Desmodium* - (same as No 3 Samoa) shrub white flos rare herbaceous 1-2 ft. Savanna rare -

*Dolichos* - bis yell fld. same Samoa. sands near coast

*Strobilium* - (bis) Samoa. common in woods -

*Passiflora* - (bis) Samoa common in woods -  
— introd by natives, cult for tub root -  
— ? leaflets rounded, silky, pubescent (if *Rhynchospora*?)  
*Erythrina indica* - introd by natives, cult in village -  
*Alnus pectoratus* - introd by natives naturalized in  
woods flos small purple -  
*Glycinia* - woody vine fol. impari pinn. 2 jugis  
pods compressed, woods -  
*Ponciana pulcherrima* - introd by natives -  
*Guilandina* - few spines, dried leaves shining  
both sides, long straggling plant in woods  
near coast -  
*Cassia* - like *occidentalis* planted in village  
but woody -  
*Mimosa pudica* - (bis) introd weed about houses -  
" *scandens* - (bis) seeds seen in Heathen village.  
*Acacia* - (bis) Samoa common on coast -  
*Tamarindus*? (*minosa*) - but seeds very small pet & mid  
rib hairy, low spreading tree 20 ft. in  
village, planted from Feejee?

*Sophora* - bis Tahiti, coast -  
*Rhizophora* - (bis Samoa) common in lagoon form beds by  
reticulated aerial roots -  
— larger in all parts leaves with soft mucus (easily deciduous)  
*Bruguiera* - (appan same Samoa) but not forming a tree -  
*Myrtac* - very large ellipt leaves, no flos or fr. common in woods -  
*Myrtus* 2-8-10 ft fol ovate pointed, fr. pinniform, cal. fid, pedicel solit. Savan  
*Barringtonia speciosa* - only young trees, planted in village (& cult  
*Lagenaria* - small gourd for holding Coos-nut oil, introd by natives  
*Cucurbita* - introd by Europeans, Water-melon, -  
*Cucumis* - (bis if Tahiti) fr small smooth flos yellow -  
— larger plant & perhaps dif. genus leaves deeply lobed cult  
ground at heathen village - fr. flos yellow -  
*Portulacca* - appan dif from Samoa & large yell pet, near  
coast rare, hairs at base leaves -  
— *oleracea*? about houses introd by Europeans -  
*Sesuvium*? - but purp pet. Lagoon common. *Polyand* -  
*Sagrenularia coccinea* - shrub with mangroves in (lagoon coast)  
*Terminalia* - (bis if Samoa No 2) - fr not margined, along  
& fr margined forms spreading tree sometimes 40 feet -  
planted by natives -

Hydrocotyle - (his) app. same Samoa but seemed taller common  
Arakia - (his) (if Samoa) shrub 6-8 ft. fol 3-4 ft. woods  
not uncommon -

Loxanthus - if Samoa -

— possibly distinct larger leaves. branch shot down by MB

Psychotrioid. - cyme of pinniform lvs not sulcate, fol.  
pinnerved - shrub 6-8 ft. -

Guettarda speciosa - (his) coral isles) along coast -

Coffea - near no 2 Samoa but p seemed smaller, woods -

Gardenia? (app. same Tahiti) flos seemed rather larger  
(Lapt Wilkes) prob cult. -

Nedyotis? (his 53 Samoa) of Old. petraea F. but no smell  
observed. paniculata see Rich -

Morinda citrifolia - abundant -

Coffea - shrub 6-8 ft. large red fls. cal forming cup,  
at apex 2, obsolete teeth, corol tube 4 cleft -

Verbesina biflora - (his 54 Samoa) common -

Bidens - (his Samoa &c) smoother than N.Y. hardly  
rays - introd. by natives -

Sigesbeckia - (his Tahiti) introd. by natives -

Aegoroid? Terminalia growth 3 outside & 3 interior sepals, long  
pursist style, fol entire obov, shrub 12 ft. near lagoon

Myrsinoid? of Samoa, broad ovate leaves, cal pursist covering  
caps & ped, monogyn shrub 6-8 ft rare -

Scaevola - (his Samoa) abund on coast -

Achras -? fol scattered, obov entire (Rich) -

4 Jasminum - australe? common vine -

— trifoliate leaves - flos & fr not seen. Island -

Alyxia - (his N 1) very abund shrub & sometimes sub-  
— scandent - fol ternis -

7 near N 6. scandent over high trees, stems whitish,  
cotyledons plicate -

Boya - (his N 3) very common, flos not seen -

3 Corbula - if Manghas - small tree abund along coast,  
p seemed thicker & more obtuse, no conspicuous bracts -

4 parviflora - fls leaves very large, 20 ft stem, rather slender,  
island rare -

26 Apocynoid - shrub 6-8 ft fol pinnate & yell caps  
seeds in 2 bodies enveloped in red pulp

27 Pine - large ovate leaves acute at each end petiolate,  
no flos -

*Gemostoma* - perhaps bis (1) Samoa / common shrub with  
 branch 8-10 ft. flo very foetid.  
*Convolvulus* - blue flo large cord acum leaves  
 - bis / no 5 / near turpeth: near coast common, fol broad  
 cordate  
 - *piscapra* - bis / common in maritime sands -  
 - habit *calystegia* <sup>sepium</sup> ~~speciosa~~ but true convolv, fol narrow cord  
 flo purp.  
*Cordia aspera*. Forst - bis / same Samoa (minute fld) -  
*Tournefortia sicca* - bis / once seen in coast -  
*Capsicum* - introd cult ground flo rather large - (cult)  
*Nicotiana tabacum* - bis introd by Europeans a few stocks  
*Physalis* - introd by natives smooth -  
 3 - bis / introd by natives pulsc, of cape gooseberry -  
 5 *Solanum* - perhaps 5<sup>th</sup> sp. coast, broad leaf close pulsc on  
 nerves.  
 - red fr, of No 6, near coast -  
*Lycium* - introd prob by Europeans -  
 3 *Shrub* ign - or small tree soft woods large smooth  
 leaves cushioned leaves - (if *Sabordia*?)

*Clerodendrum inerme* - bis / Samoa / its long w. stems almost  
 scandent thus forming tangled beds -  
*Vitex* - bis Samoa / on coast rare -  
*Leucas odontatus* - introd by natives, not very common -  
*Sabiät ign* - cal inflor 5 equal teeth, corol not seen cult  
 ground  
*Borhavia* - bis Samoa / sands near coast rare -  
*Amaranthus* - if *eruentus*, introd by natives weed in cult  
 ground  
*Achyranthes* - bis Samoa / green or whitish flo common -  
*Dais* - ? bis Samoa / near coast.  
*Daphne* - broad leaves, coast rare if Samoa -  
*Maba elliptica* - Forst - 10-20 ft. common if Samoa  
 3 *Myristica* - large leaf smooth beneath than Samoa -  
*Pemanua Samoa* - bis / young plants only, coast -  
 - origina? - rare (B) fol ovate uneg base -  
*Alcuritis triloba* - young plants only, introd by natives -  
*Cassipha* - bis / appar coral isle, seen a thicker (B)  
*Carica papaya* - bis / commonly cult -  
*Euphorbia* - bis / coral isle -

*Pisonia* - (his Samoa) sometimes tree 20 ft by 1. about plantation  
*Cordia variegata* - (his) introd by natives (Rich) -  
*Bradleya* - (his appar No 3 Samoa) island rare -  
<sup>3</sup>*Stylingia* - pupaps 3<sup>rd</sup> as caps pretty uniform 3 cells, 10-15 ft  
 monoid or dioic - near cult land -  
*Hippomanoid* - (Excoecaria) tree 20-25 ft. flos in inconspic spike  
 fr small trilocular -  
*Acalypha* - (his Samoa) common weed -  
*Ficus tuberculata* Fr. if No 4 Samoa rough leaved unreg base  
 small tree 20 ft young stems also fruiting -  
<sup>5</sup> broad lance leaf fr pinniform orange sessile stems & branches  
 whitish -  
<sup>4</sup> remarkable rambling habit fol. smooth unreg base -  
<sup>7</sup> 3 leaved involucre very large tree, Pear leaved but  
 entire, one near heathen village - (Banyan)  
*Celtis* - appar broader leaved than Samoa -  
*Foeris* - (his No 5 Samoa) -  
*Broussonetia* - (his) introd by natives & cult - the var  
 with dissected leaves -  
*Artocarpus incisa* - (his) Tahiti cult but not abundant -

<sup>4-5 ft</sup>  
*Piper* - (if No 4 Samoa) common in woods, 7 ribbed acum leaf  
 - (his) a few pepper roots only seen -  
*Basuaria equisetifolia* - planted about village -  
*Inocarpus edulis* - common in woods -  
*Shrub, ign* - (his 5 Samoa) no fr. or flos. Diospyroid leaf,  
 short spines -  
*Xylocoma*? broad leaf alt. Polyanth inconspic. cal 4 dent. no corol. (dioic)  
<sup>2</sup>*Chen ign* - ellipt alt entire almost 3 nerved leaves,  
 small axill racemes, young fr a berry? rare -  
*Cycas circinalis* - introd by natives, stem 12 ft. planted in  
 village & in wild situations -  
*Pterochilus*? fol unreg. of Samoa, woods rare -  
 n.g. epipactoid (*Neimlia* -) (his appar no. Samoa, woods rare)  
*Bletia*? - (his Samoa) Savanna -  
*Calanthe* - (his Samoa) Savanna -  
*Simoda*? aphyllum - (his?) flos several larger than Samoa,  
 trunks trees not very common -  
<sup>55</sup>*Lichid* - nodding raceme purp flos. large fr & leaves 1-2 ft -  
<sup>37</sup>*Orchid* - axill racemes slender white flos nodding 2-3 ft -

36 *Dendrobium* habit - but terrestrial, leaf & stem bulb at base, fl. stem distinct 1-2 ft. woods rare -

*Samoa* - (bis) *Samoa* / introd by natives only cult -

*Loiselia* - (bis) *Samoa* (No 2) near cult land rather rare (stem 1 ft)

*Curatella* - *Tumori* - said to be here. -

*Phytolacca* - near cult ground, large broad leaf

*Musa paradisiaca* - introd by natives only cult -

*Dianella* - of *Tahiti*, near shore -

*Crinum* - in cult ground thought by B. diff from *Maui* -

*Dioscorea walata* - (bis) - introd by natives & cult appar extending

- (bis) No 1 *Samoa* / broad leaf, common in cult ground not edible

*Smilax* - deep woods rare -

*Tacca* - introd by natives cult ground -

*Caladium macrorhizon* - (bis) introd by natives cult -

*Locos mucifera* - (bis) introd by natives abund cult

*Palm ign* - (bis) *Maui* / *Corypha* <sup>Saps<sup>n</sup></sup> non auct.

*Permaph* - cal. monoph, 3 pet. introd by natives planted

n.g. *Potamoq* / *Halophila* (Gaud) (bis) *Samoa* / coral shelf

1 in 11 fathoms.

*Gosteroid*\* - creeping stem cylind sheath leaf no fr. a fl., coral shelf - fol - 6-9 in -

*Pandanus* - (bis) No 1 / introd by natives cult -

*Dracena terminalis* - (bis) introd by natives cult ground

*Scleria* - (bis) No 3 *Samoa* / near *Savanna* 1/2 ft -

<sup>3</sup> *Funlijstyles* - if *complanata* var. flat leaf 1-1 1/2 ft -

*Savanna*, *subulate* stem -

*Trichelostyles* - stem uncip panic lateral 1 ft tufts in

*savanna* - rad flat leaf. -

*Elescharoid* - habit & tuberculos. but leafy spike

compressed & spiral, abund in *Savanna*.

*Cyperus* - (bis) No 1. / near coast. -

*Panicum* - (bis) No 2. *Samoa* / cult ground, small smooth

<sup>3</sup> large hairy common in cult ground. -

*Saccharum officinale* - (bis) introd by natives cult.

& slender var in wild situations -

gen. ign - (bis) *Panicum*? creeping in moist sands com.

*Cois lachryna* - (bis) introd by natives - cult ground -

*Paspalum* - of No 1 *Tahiti*, abund in *Savanna* all

*Digitaria* - abund in cult grounds, introd by natives

seem'd less hairy than *Sanguinalis* - (*Samoa*?)

*Lepturus* - sands near coast rare (cf *C. repens* cog bis)



*Eleusine indica* - introd by natives abund everywhere -  
*Orthopogon* - (if Samoa) common in cult ground -  
 2 \* much larger hairy, common in cult ground -  
*Pharis acicularis* - introd? by natives - rare -  
*Senecurus* - (bis Tahiti) of *caliculatus*. Cav +  
*Andropogon* - stem branching, large tufts in Savanna  
*Cynodon* - common in maint lands -  
*Ptilotum* - (bis of local side) trunk, trees rare -  
*Davallia* - (bis of Tahiti no) rare (B) root of Coco-nut  
*Achrostichum album* - bis common near Lagoon,  
 in large tufts as at Tahiti - - -  
*Polypodium* - (bis coral side) *lyphyomatoides* - rather common  
 chiefly on ground -  
*Pteris* - (bis of 1st Samoa) simply pin, common in  
 Savanna -  
*Thelypteris* - (if Samoa) the most abund fern partia  
 in Savanna *pubescens* -  
 \* narrow frond & very minute fr. Savanna rare, B  
*Aspidium* - (bis) of *Exaltatum*, woods occasionally,  
 rachis pubesc - -

*Asplenium nidus* - (bis) not uncommon -  
 - (bis) habit a. terre. 1 ft. at village rare B. -  
*Orthotrichum* - bark trees rare mixed with *Epiphyti*  
*musc. ign* - rare. -  
*Ramalina* - abund on branch trees near coast -  
*Alnea* - of U. Florida, branch trees near coast -  
 - mixed yell & grey - common on branch trees near coast  
*Parmelia* - grey sp. bark trees -  
*Agaricus* - very large sp  
 - 2 sp of medium size. -  
*Lycoperdon* - papulose -  
*Tremelloid?* - (bis) large lobulated blackish above

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